IN-14/IN-8-2/Z573M/IN-8 Nixie Desktop Clock

Product manual

Version 1.16

2020

Thank you for purchasing a nixieshop.com clock!

Please read the following manual carefully to ensure you get the most out of your Nixie Clock.

Unboxing

All **nixieshop.com** clocks are shipped as carefully as possible to ensure safe delivery to you. In the unlikely event that the clock does arrive damaged, or if you have any questions at all about using the product, please contact me on petro.vodopyan@gmail.com.
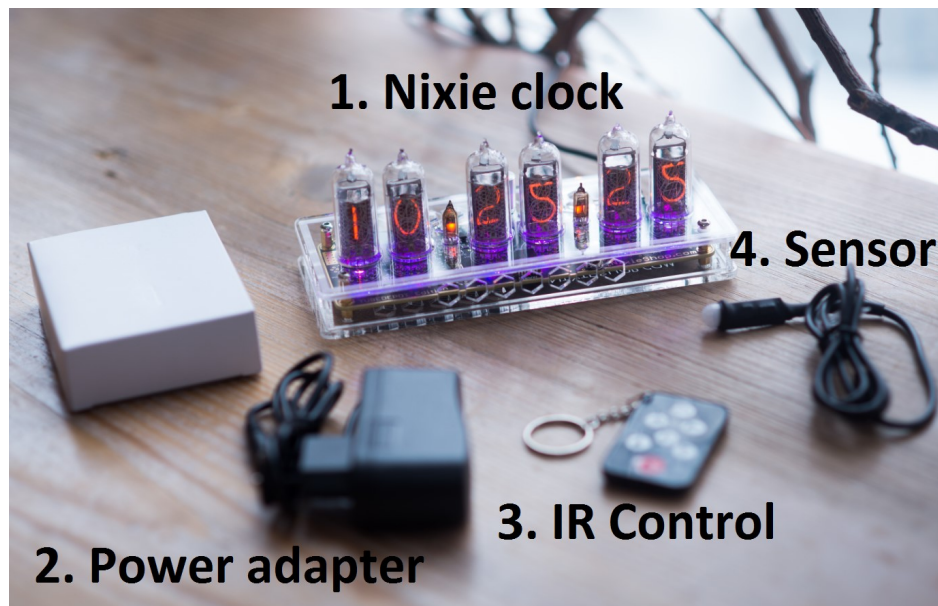
Carefully remove the clock from the box when unboxing this product. The clock is protected with bubble wrap, but the nixie tubes are installed into sockets, and should be handled with care.

WARNING: Please note that this clock is for indoor use only.

Contents

Each package contains the following items:

1. Clock base with mounted Nixie tubes (tube types are specific to purchased model).
2. 12v 1A power adapter with 5.5mm X 2.5mm jack.
3. IR remote control.
4. Motion sensor (based on Doppler radar; in some of latest models the sensor is built-in).
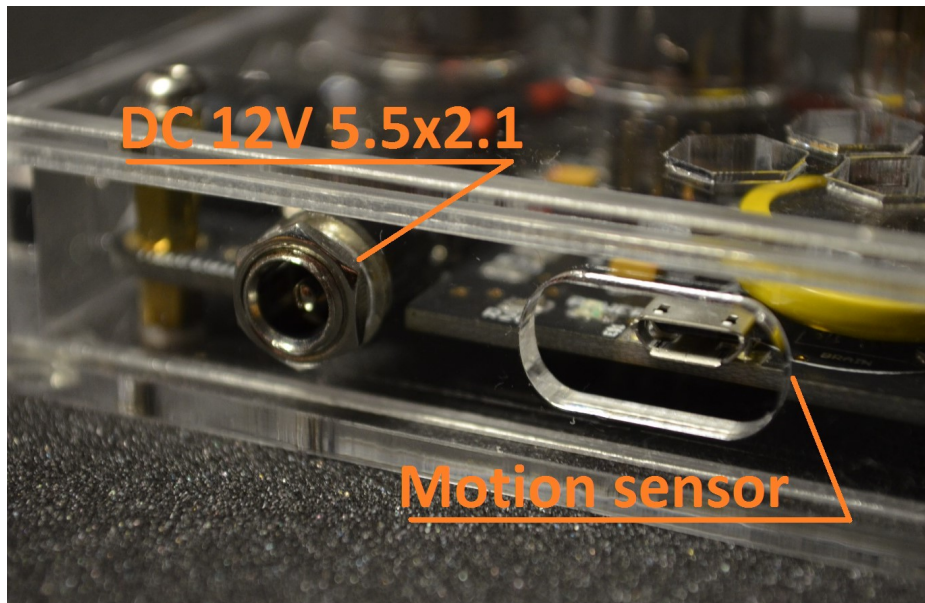5. Product manual.

Warranty

Nixieshop.com values your business and always attempts to provide you the very best quality of service. We provide lifetime warranty for electronics and two year warranty for tubes. The warranty applies only to the products manufactured by Nixie Shop.

The warranty covers burned out tubes (up to three), problems with the electronics of the clock. The warranty does not cover: damage of a product resulting from negligence; damage of a product resulting from unauthorized modification of the product; damage caused by natural disaster; theft or loss of the product.

Powering up

On the rear panel of the clock there are two sockets. The left pictured one is used for powering the Nixie clock. The right one is used for the PIR motion sensor (optional):
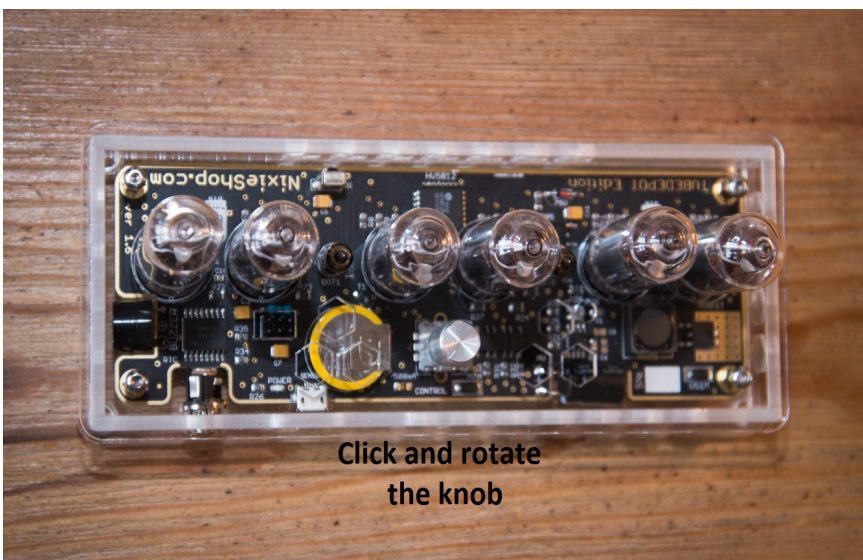

Plugging in and turning on the power, the clock will perform a brief self-test to confirm it's operational. The digits on the clock will scroll through from 0-9, then the clock will beep once.

Settings and Adjustments

There are two ways to adjust the various settings of the clock:

1. The knob on the rear of the clock. Pressing it in once changes through the menu items, twisting it changes the values.
2. Using the IR remote control. Pressing the "W" or AV/TV button changes through the menu items, pressing the white up/down button changes the values.

Menu

The menu items below are listed in the order that they will appear when going through them.

<u>**LED RGB Values**</u>

The clock has one RGB LED under each nixie tube. All colors are adjustable and can be set to a custom brightness.

1. Red color brightness (0 - 10 levels).
2. Green color brightness (0 - 10 levels).
3. Blue color brightness (0 - 10 levels).

<u>**Alarm Settings**</u>

4. Alarm mode: 1 - enable; 0 - disable.
5. Alarm start hour.
6. Alarm start minute.

WARNING: Please be aware that alarm is *really* noisy. It will wake the dead. To stop the alarm rotate the knob.

<u>**General Settings**</u>

7. Colon tube modes. 0 — blinks once a second (default), 1 — permanently ON, 2 — permanently OFF.
8. Beep once per hour, on the hour. (0 — disable (default); 1 — enable).
9. Slot machine frequency (1 – 5. Value is the interval in minutes. 0 - disable).
10. Spin changing numbers mode (0 — classic; 1 - scroll changing numbers; 2 — wave scrolling).
11. Animate RGB LED lights (0 — disable; 1 — enable).

<u>**Time/Date Settings**</u>

12. 12/24 hour mode. (0 — 24h mode (default); 1 — 12h mode).
13. Date display mode: 0 - DDMMYY; 1 - MMDDYY; 2 - YYMMDD.
14. Set hours.
15. Set minutes.
16. Set seconds.
17. Set month.
18. Set day.
19. Set year.

<u>**Sleep Settings**</u>

20. Set sleep starting hour - the clock displays ZZ:**XX**:YY (where **XX** is the value of the sleep start hour).
21. Set sleep ending hour - the clock displays ZZ:XX:**YY** (where **YY** is the value of the sleep end hour).
22. Display date at the end of period defined in setting #10 (1 - enable; 0 - disable).
23. Timeout for motion sensor (options from 1-5) - sets delay time from ~1 minute and longer.
24. Activates built in motion sensor (for versions 1.14 and later). (0 — disable (default); 1 — enable).

Setting the clock to sleep when not required can help to prolong the life of the Nixie tubes. The sleep feature works using 24 hour time values. For best results the clock should also be set into 24H mode (menu option 12). To disable sleep feature - set start value equal to end value .

Note: The human presence sensor (external PIR sensor) will work once it is plugged in. The clock will beep once to indicate the connection/disconnection of the motion sensor.

If you don't mind, please take your time and leave a positive feedback for our eBay or Etsy store or visit our Facebook group here https://www.facebook.com/NixieShop. Your feedback is always appreciated and welcome.